

**F.Y.B.SC. SEM – I (2014 COURSE) : WINTER - 2017**  
**SUBJECT: BOTANY : PLANT DIVERSITY & UTILIZATION OF PLANTS – I**

Day : Wednesday  
Date : 01/11/2017

Time : 12.00 NOON TO 02.00 PM  
Max. Marks : 40

**W-2017-0590**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

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**Q.1** Attempt **ANY TWO** of the following: **[10]**

- a) What is lichen? Describe various forms of lichens.
- b) Give sexual reproduction in *Sargassum*.
- c) Explain sporophyte of *Funaria*.

**Q.2** Attempt **ANY TWO** of the following: **[10]**

- a) Give classification and importance of Pteridophytes.
- b) Describe sexual reproduction in *Aspergillus*.
- c) Explain heterosporous condition in *Selaginella*.

**Q.3** Attempt **ANY TWO** of the following: **[10]**

- a) Describe synangium in *Psilotum*.
- b) Explain salient features of Cyanophyta.
- c) Give external and internal structure of stem and leaf of *Funaria*.

**Q.4** Attempt **ANY FIVE** of the following: **[10]**

- a) Give general characters of Bryophyta.
- b) Give an account of classification of Fungi.
- c) Distinguish between Algae and Fungi.
- d) Give any two examples of Bryopsida.
- e) Distinguish between Chlorophyta and Xanthophyta.
- f) Give important features of Basidiomycotina.
- g) Explain economic importance of Algae.